

Converting Colors

XYZ(67.8231, 71.1418, 70.0970)

Have a look what the booklet for
XYZ(67.8231, 71.1418, 70.0970)
contains.

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Color

**XYZ(67.7680, 71.2247,
69.8505)**

Conversions

Conversions Part 1

Format	Color
Hex	E1DBD0
RGB	225, 219, 208
RGB Percent	88%, 86%, 82%
CMY	0.1176, 0.1412, 0.1843
CMYK	0.00, 0.03, 0.08, 0.12
HSL	39°, 22%, 85%
HSV	39°, 8%, 88%
XYZ	67.7680, 71.2247, 69.8505
YIQ	219.5400, 7.1070, -2.1490

Conversions

Conversions Part 2

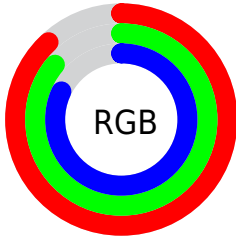
Format	Color
RYB	217, 225, 208
Decimal	14801872
CIELab	87.59, 0.16, 6.12
CIELCh	88, 6.121, 88.538
Yxy	71.2247, 0.3245, 0.3410
Android (android.graphics.Color)	4292991952 (0xFFE1DBD0)
YUV	219.5400, -5.6892, 4.7884
Hunter-Lab	84.3947, -4.3573, 10.0041

Details

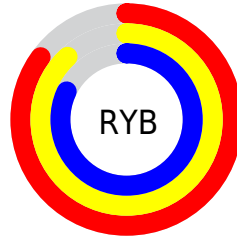
The XYZ color **67.7680, 71.2247, 69.8505** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.6494, 66.9380, 80.8005**, and the grayscale version is **67.7436, 71.2715, 77.6147**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6858, 37.4301, 35.9157** is the 20% darker color. If you saturate the color by 10%, you get **63.1734, 66.1552, 55.6166**, and if you desaturate by 10%, it is **72.8581, 76.6550, 86.1887**.

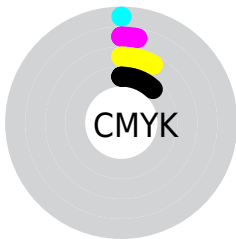
Distribution



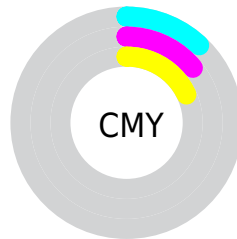
- Red (88%)
- Green (86%)
- Blue (82%)



- Red (85%)
- Yellow (88%)
- Blue (82%)



- Cyan (0%)
- Magenta (3%)
- Yellow (8%)
- Black (12%)



- Cyan (12%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7680, 71.2247, 69.8505 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 67.7680, 71.2247, 69.8505 by changing the saturation by 10% instead.

■ 67.7680, 71.2247,
69.8505

■ 67.7680, 71.2247,
69.8505

442.0632,
464.8385, 478.7998

■ 49.9820, 52.5256,
50.9286

115.0639,
120.9536, 120.6746

■ 35.6168, 37.4242,
35.7755

145.3046,
152.7522, 153.4140

■ 24.3072, 25.5361,
23.9725

180.4275,
189.6861, 191.5962

■ 15.6876, 16.4769,
15.1012

220.7980,
232.1396, 235.6399

■ 9.3928, 9.8623,
8.7430

266.7814,
280.4973, 285.9636

■ 5.0574, 5.3077,
4.4794

318.7432,

■ 2.3161, 2.4289,

335.1434, 342.9858

1.8919

377.0487,
396.4623, 407.1250

■ 0.8029, 0.8407,
0.4876

■ 0.0000, 0.0000,
0.0000

■ 67.7680, 71.2247,
69.8505

■ 67.7680, 71.2247,
69.8505

■ 63.1734, 66.1552,
55.6166

■ 72.8581, 76.6550,
86.1887

■ 59.0504, 61.4277,
43.3955

■ 78.4544, 82.4455,
104.7086

■ 55.3822, 57.0357,
33.0952

■ 81.0959, 87.2162,
107.1679

■ 52.1482, 52.9686,
24.6154

■ 83.5198, 92.0640,
107.9759

■ 49.3262, 49.2153,
17.8460

■ 84.8616, 94.7477,
108.4232

■ 46.8916, 45.7635,
12.6653

■ 44.8169, 42.5998,
8.9351

■ 43.0698, 39.7087,
6.4932

■ 41.6071, 37.0705,
5.1203

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.1605, 71.2247, 70.9471



67.7680, 71.2247, 69.8505



66.3755, 71.2247, 70.7555

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7680, 71.2247, 69.8505



65.2804, 71.2247, 81.4237



70.0997, 71.2247, 81.7882

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



67.7680, 71.2247, 69.8505



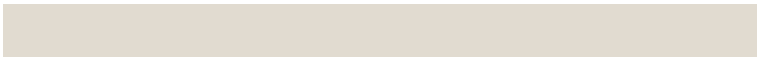
63.6494, 66.9380, 80.8005

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.0358, 71.2247, 84.7695



67.7680, 71.2247, 69.8505



66.2542, 71.2247, 84.5538

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.7680, 71.2247, 69.8505



64.9516, 71.2247, 77.3483



67.6259, 71.2247, 85.7989



70.5185, 71.2247, 77.7552

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.7680, 71.2247, 69.8505



65.6319, 71.2247, 72.3909



67.6259, 71.2247, 85.7989



69.8049, 71.2247, 82.9519

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



67.7700, 71.2278, 69.8520



93.6685, 98.5336, 104.4423



65.7755, 65.9873, 73.0457



20.0634, 21.1057, 22.4016



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.7700, 71.2278, 69.8520



89.0446, 93.5531, 89.7456



68.6605, 74.0509, 70.3500



14.4438, 15.1735, 14.4743



23.8988, 21.2355, 2.8393



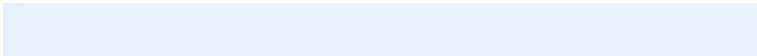
1.7398, 1.6384, 0.2245

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



63.6494, 66.9380, 80.8005



82.5474, 86.7892, 107.0090



62.8018, 64.2899, 80.3340



13.3455, 14.0302, 17.3924



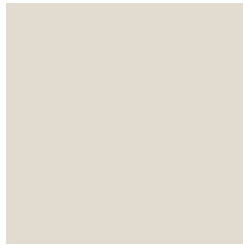
9.5571, 6.5837, 41.8154



0.7446, 0.6207, 2.9258

Previews

White Background



This preview shows how the XYZ color 67.7680, 71.2247, 69.8505 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 67.7680, 71.2247, 69.8505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

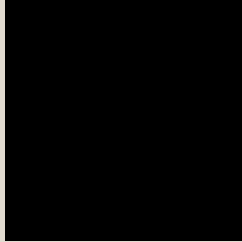
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

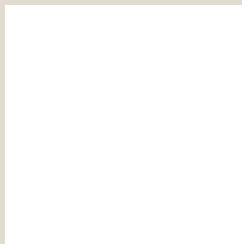
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7680, 71.2247, 69.8505

Background



This preview shows how black text looks on a background with the XYZ color 67.7680, 71.2247, 69.8505.

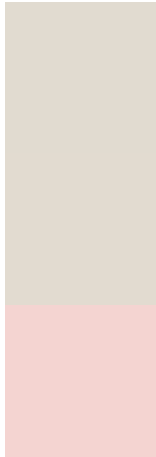


This preview shows how white text looks on a background with the XYZ color 67.7680, 71.2247,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

67.7680, 71.2247, 69.8505

Protanopia

68.0807, 71.3859, 69.8651

Deuteranopia

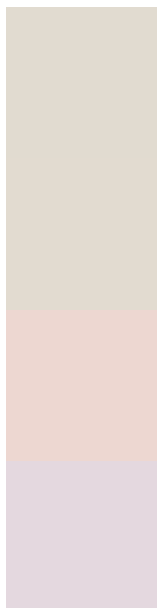
72.3603, 70.9235, 70.1974



Tritanopia

71.1790, 71.0851, 86.3132

Trichromacy



Original Color

67.7680, 71.2247, 69.8505

Protanomaly

68.0807, 71.3859, 69.8651

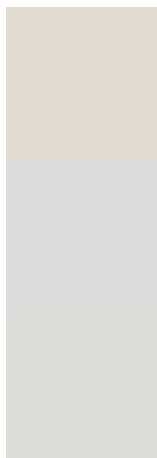
Deuteranomaly

70.7341, 71.2089, 70.3382

Tritanomaly

69.8701, 70.9334, 79.8210

Monochromacy



Original Color

67.7680, 71.2247, 69.8505

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.1121, 71.6739, 75.2103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7680, 71.2247, 69.8505 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(225, 219, 208) looks like.

```
.text, #text, p{  
    color:rgb(225, 219, 208)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(225, 219, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 219, 208) }
```

Border

The CSS property to change the border of an element to XYZ 67.7680, 71.2247, 69.8505 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(225, 219, 208) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(225, 219, 208) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(225, 219, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 219, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 219, 208);  
box-shadow:4px 4px 4px 4px rgb(225, 219,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7680, 71.2247, 69.8505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 219, 208) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(225,  
219, 208) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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